

FIG. 1

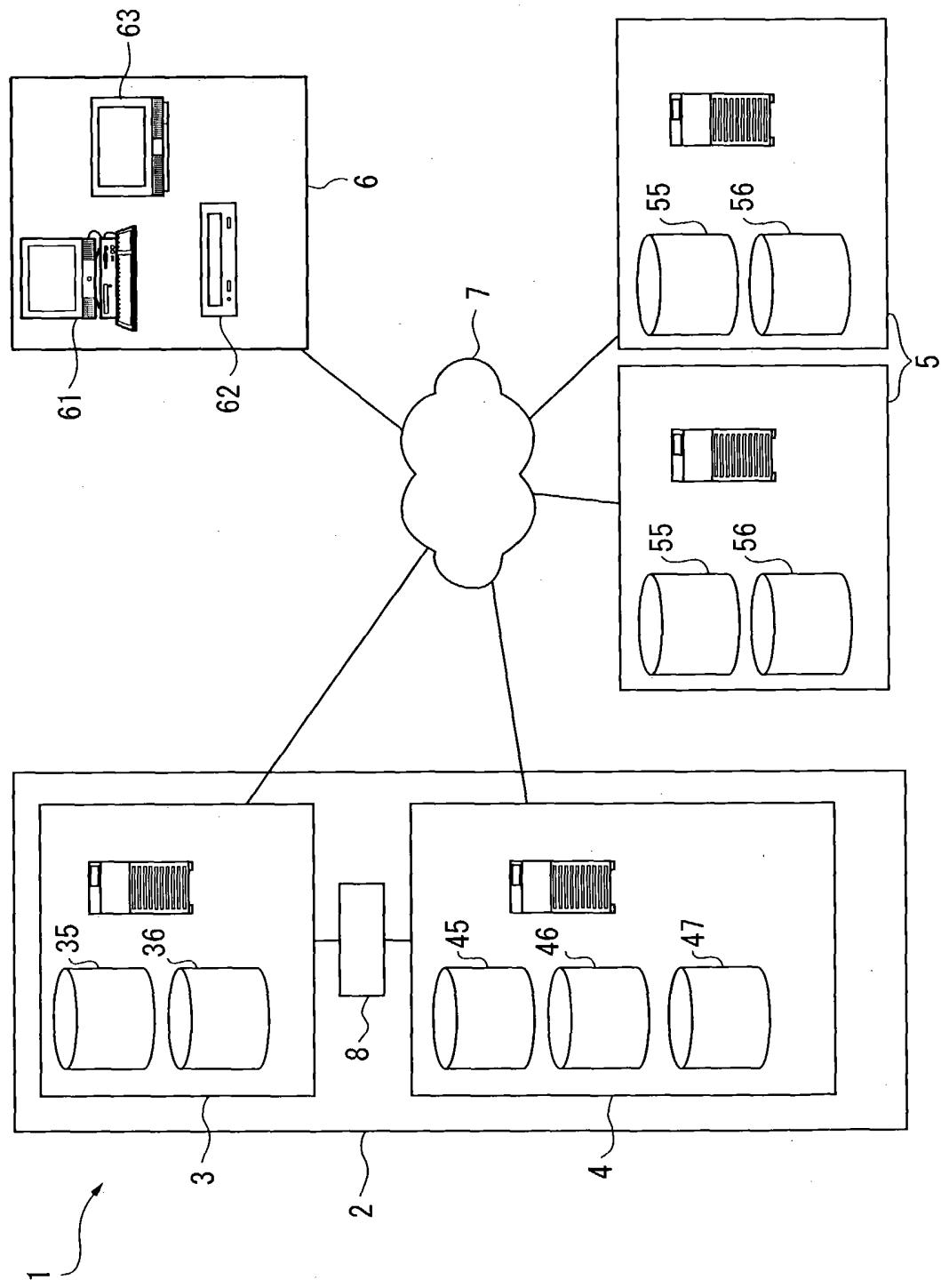
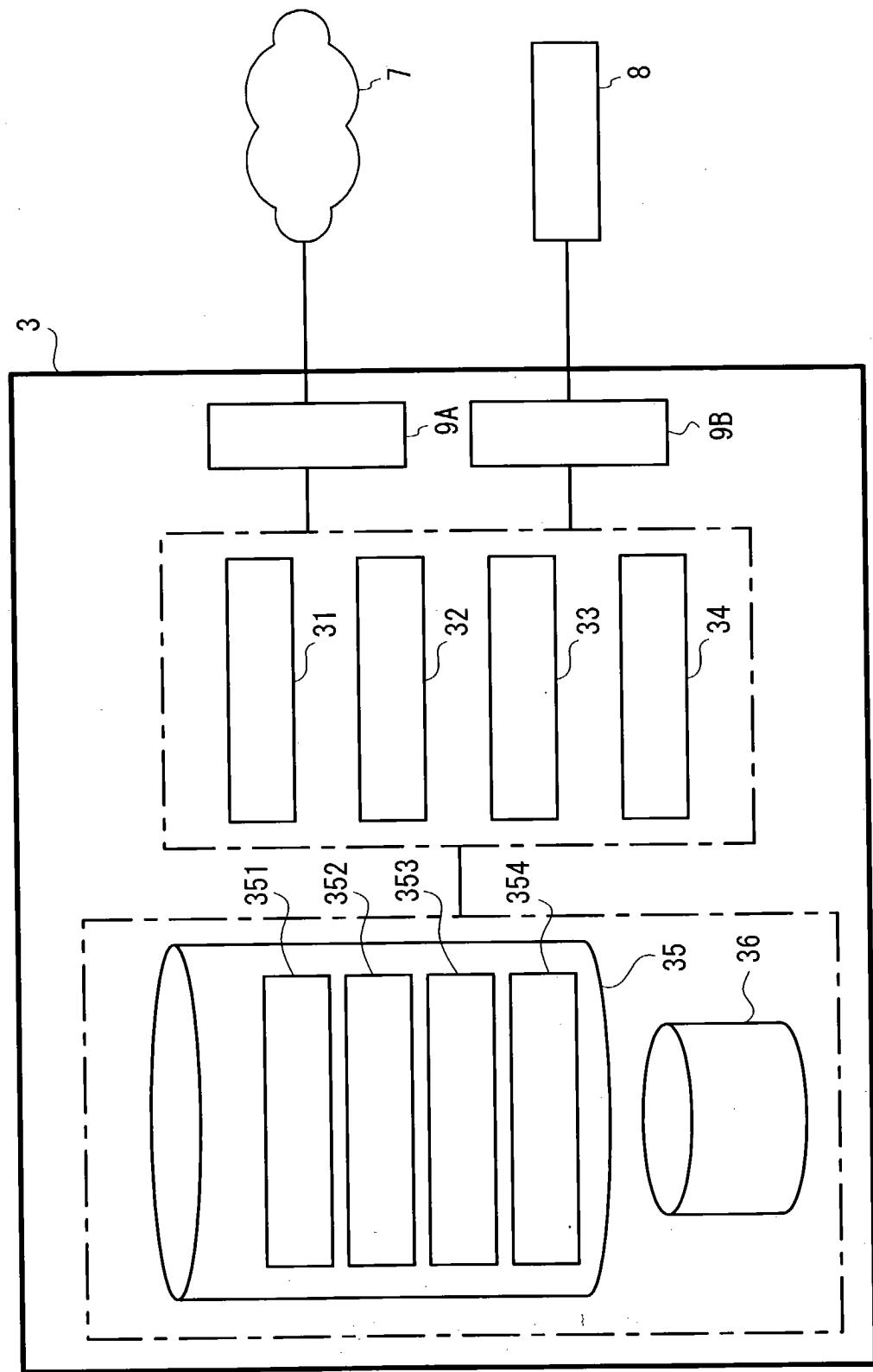


FIG. 2



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FIG. 3

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USER NO.	PROFILE ATTRIBUTE	PROFILE DATA
01234567	NAME	TARO HANAZONO
01234567	AGE	35
01234567	SEX	MALE
01234567	POSTAL CODE	359-8522
01234567	ADDRESS 1	SAITAMA PREFECTURE
01234567	ADDRESS 2	TOKOROZAWA CITY
01234567	ADDRESS 3	HANAZONO 4-XXXX
01234567	TELEPHONE NO.	042-990-XXXX
01234567	CREDIT CARD NO.	XXXXXXXXXX
01234567	EQUIPMENT NO.	76543210
01234567	PASSWORD	1A?2+9BT
01234567	HOBBY	FILM VIEWING
01234567	TASTE	JAPANESE MUSIC, NEWS
...

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FIG. 4

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REQUEST NO.	USER NO.	DATE	TIME
1532	01234567	2001/6/1	20:30:00
1533	00319048	2001/6/1	20:30:05
1534	01328087	2001/6/1	20:30:07
1535	00900351	2001/6/1	20:30:10
...	

FIG. 5

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REQUEST NO.	REQUEST ATTRIBUTE	REQUEST DATA
1532	GENRE	NEW MUSIC
1532	AGE	EARLY 1970S
1532	SORT	SOLD COPIES OF RECORD (CD)
1532	NO. OF PLAYED TUNES	30
...

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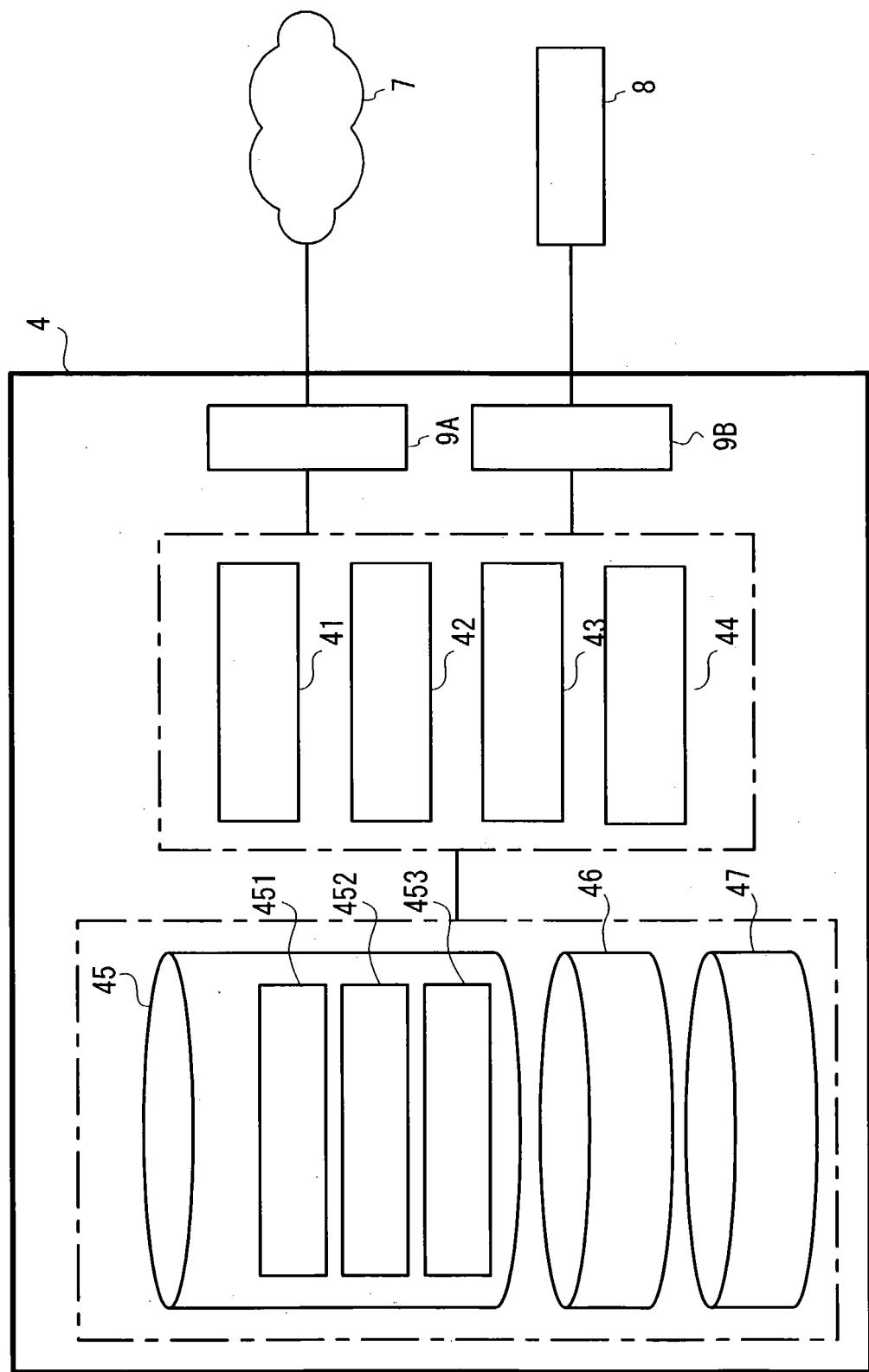
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USER NO.	ITEM	NO. OF TIMES
01234567	NEW MUSIC	3
01234567	IDOL	2
01234567	EARLY 1970S	2
01234567	1980S	1
01234567	CABLE TV REQUEST	2
01234567	SOLD COPIES OF RECORD (CD)	2
...

FIG. 7



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WORD NO.	PROFILE ATTRIBUTE	PROFILE DATA
00010368	PART OF SPEECH	NUMERAL
00010368	APPLICATION	YEAR
00010368	CLASSIFICATION	AD
00010368	CONTENTS	1973
00010368	TIME	2"
00010368	DATA	word/numeral/yyyy1973.wav
...
00012065	PART OF SPEECH	PRONOUN
00012065	APPLICATION	TITLE OF A TUNE
00012065	CLASSIFICATION	JAPAN, NEW MUSIC, OOXX
00012065	CONTENTS	AAZZ
00012065	TIME	2"
00012065	DATA	word/music_title/aazz.wav
...

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FIG. 9

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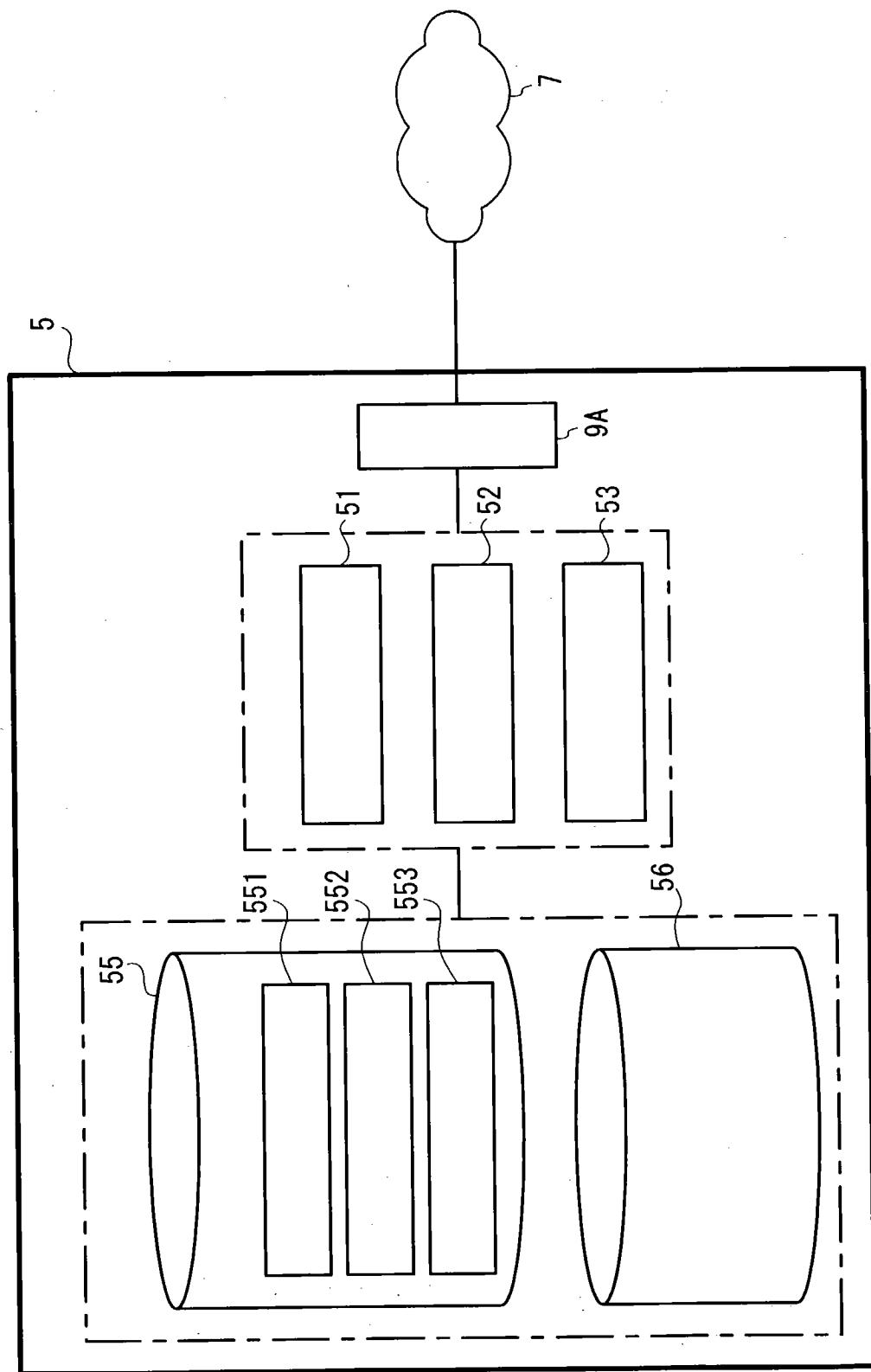
SENTENCE NO.	PROFILE ATTRIBUTE	PROFILE DATA
00100038	APPLICATION	INTRODUCTION OF A TUNE
00100038	CLASSIFICATION	ORDER, FIRST-RANKED
00100038	CONTENTS	THE FIRST-RANKED TUNE IS
00100038	TIME	3"
00100038	DATA	phrase/music_intro/first.wav
...
00104362	APPLICATION	DESCRIPTION OF A TUNE
00104362	CLASSIFICATION	AAZZ, OOXX
00104362	CONTENTS	This tune is OOXX's third single.
00104362	TIME	15"
00104362	DATA	phrase/music_explain/aazz.wav
...

FIG. 10

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TEMPLATE NO.	PROFILE ATTRIBUTE	PROFILE DATA
00500045	APPLICATION	DESCRIPTION OF MUSIC CONTENTS
00500045	CLASSIFICATION	RANKING, ORDER, GENRE, AGE, TITLE
00500045	TIME	10"
00500045	DATA	template/content_explain/ranking4.xml
...

FIG. 11



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FIG.12

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CONTENT NO.	PROFILE ATTRIBUTE	PROFILE DATA
00000101	ID CENTER CONTROL NO.	1101000000000101
00000101	TITLE	AAZZ
00000101	ARTIST	OOXX
00000101	DURATION	3'37"
00000101	COUNTRY	JAPAN
00000101	RELEASE DATE	1973/4/20
00000101	SOLD COPIES OF RECORD	500000
00000101	COUPLING	00000102
00000101	ABSTRACT	The third single of OOXX who made a great hit in 1973.
00000101	KEYWORD	YOUNG, LOVE, SEPARATION, TRAIN
00000101	TYPE	MUSIC WORK
00000101	GENRE	FOLK, NEW MUSIC
00000101	URL	rtsp://xxx.yyy.zzz/dirl/00000101.mp3
00000101	CM CONTENTS	01317708
...

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FIG. 13

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PRODUCT NO.	DATE	TIME
00002151	2001/6/1	20:35:00
00002152	2001/6/1	20:35:02
00002153	2001/6/1	20:35:05
00002154	2001/6/1	20:35:07
00002155	2001/6/1	20:35:12
00002156	2001/6/1	20:35:15
00002157	2001/6/1	20:35:18
00002158	2001/6/1	20:35:19
...

FIG. 14

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PRODUCT NO.	CONTENTS NO.	DESTINATION NO.	DESTINATION CLIENT NO.
00002151	00000101	0004	01234567
00002152	00032461	0004	00837756
00002153	00008945	0004	07094834
00002154	00004973	0007	00049830
00002155	00000957	0007	00035890
00002156	00003168	0004	05120090
00002157	00034987	0005	00548713
00002158	00010845	0005	00324907
...

FIG. 15

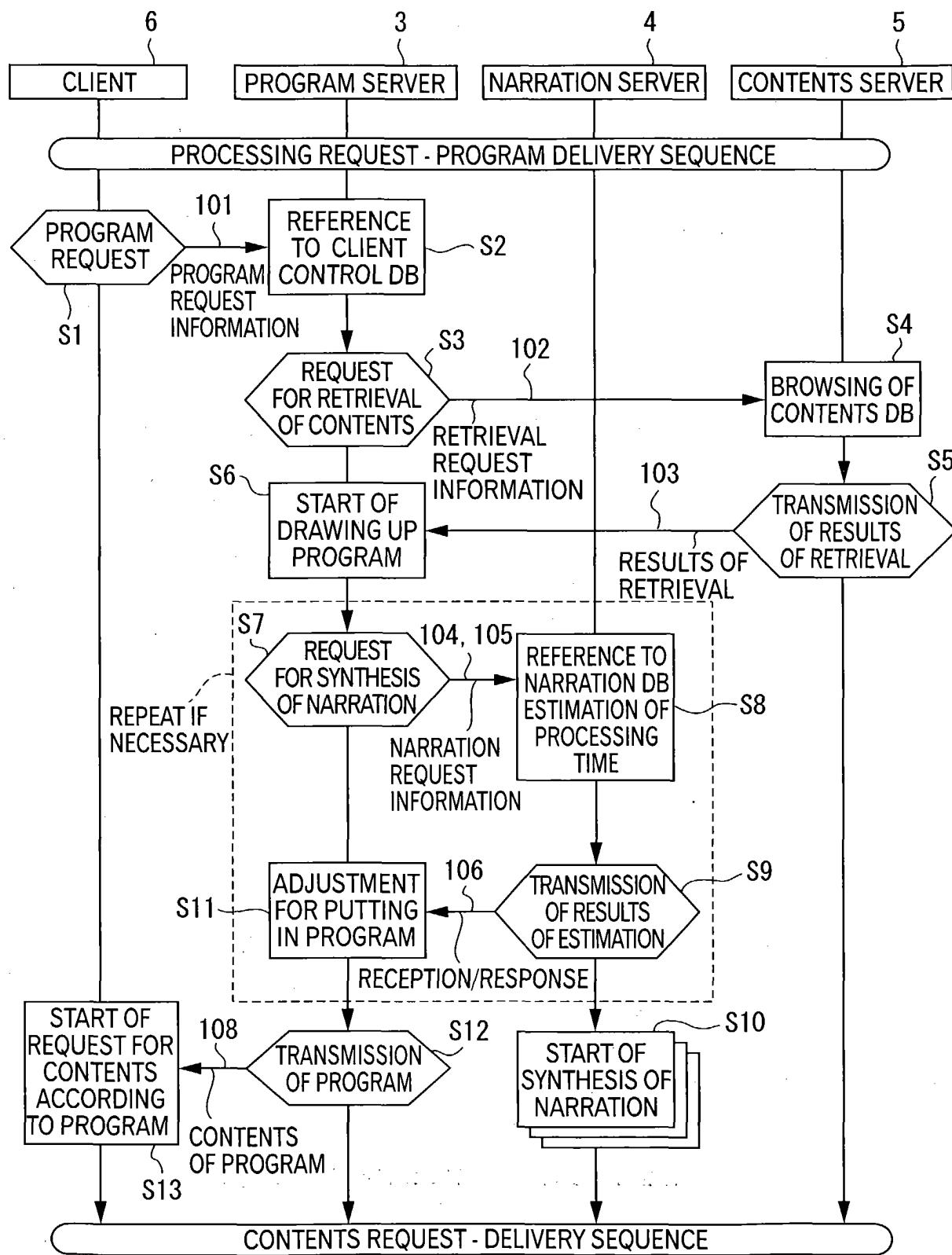
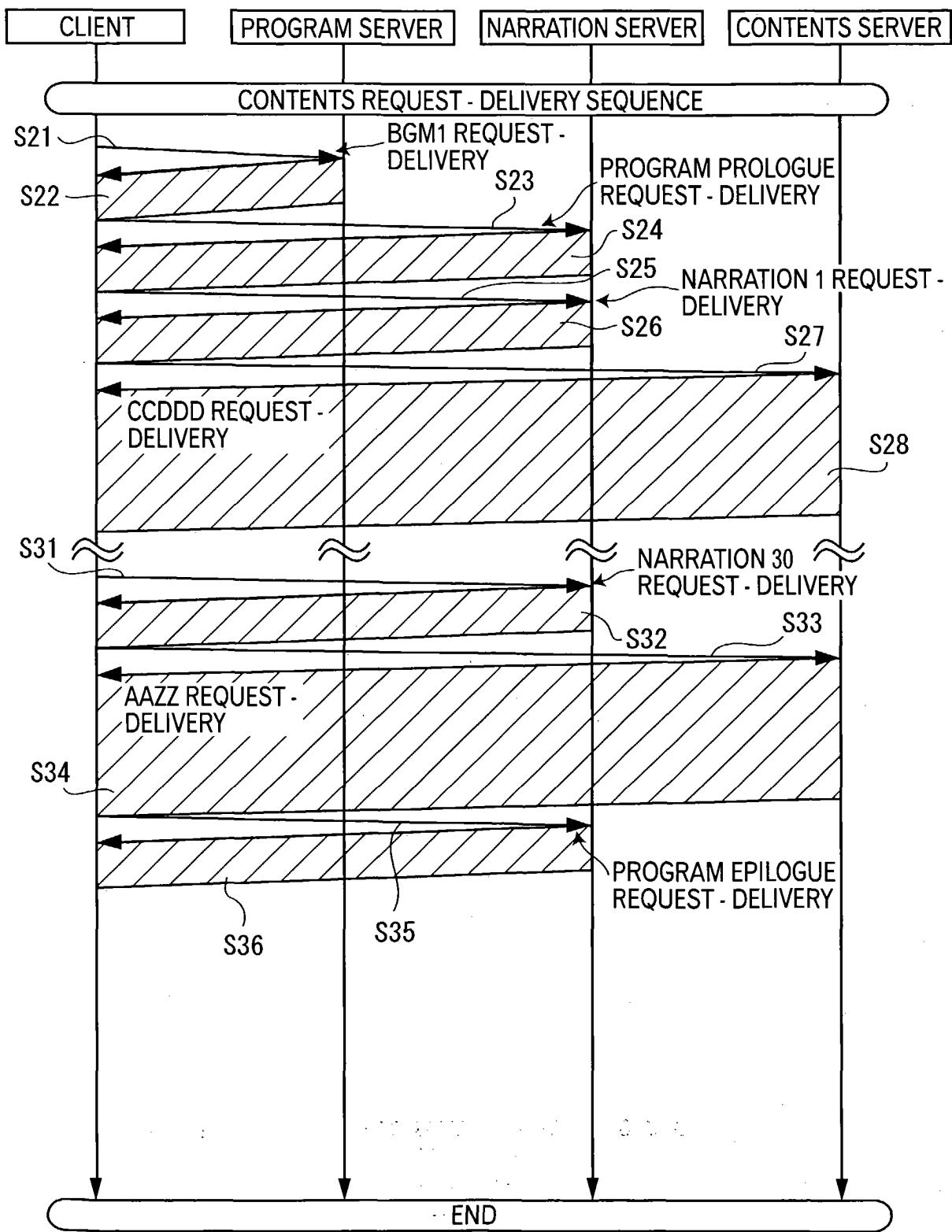


FIG. 16



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FIG. 17

```
<?xm1 version ="1.0" encoding = "Shift - JIS"?>
<program request>
    <equipment No.>76543210</equipment No.>
    <date>2001/06/01</date>
    <time>20:30:00</time>
    <location type="own home"></location>
    <contents>
        <genre>new music</genre>
        <age>early 1970s</age>
        <sort>sold copies of record</sort>
        <No. of tunes>30</No. of tunes>
    </contents>
</program request>
```

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FIG. 18

```
<?xm1 version ="1.0" encoding = "Shift - JIS"?>
<retrieval request>
    <query>
        <country>Japan</country>
        <genre>new music</genre>
        <age>early 1970s</age>
        <sort>sold copies of record</sort>
    </query>
</retrieval request>
```

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FIG. 19

```
<?xm1 version ="1.0" encoding = "Shift - JIS"?>
<results of retrieval, hit = "85">
    <contents information no="1">
        <ID center control No.>110100000000101</ID center control No.>
        <title>AAZZ</title>
        <artist>OOXX</artist>
        <recording hours>3'37"</recording hours>
        <release date>1973/04/20</release date>
        <sold copies of record>500,000</sold copies of record>
        <abstract>Third single of OOXX who made a great hit in 1973.
        Vocal is △△□ having a sweet voice. Dramatic tune development.
        Arrangement is very impressive.
        </abstract>
        <URL>rtsp://xxx.yyy.zzz/dirl/00000101.mp3</URL>
    </contents information>

    ...
    <contents information no="30">
        <ID center control No.>1101000000039801</ID center control No.>
        <title>CCDDD</title>
        <artist>△△XX</artist>
        <recording hours>3'03"</recording hours>
        <release date>1971/01/20</release date>
        <sold copies of record>380,000</sold copies of record>
        <abstract>Received record Grand Prix of the year. A film with the
        same title was produced in 1973 by Movie who made a great hit in 1973.
        </abstract>
        <URL>rtsp://xxx.yyy.zzz/dirl/00039801.mp3</URL>
    </contents information>

    ...
    <contents information no="85">
        <ID center control No.>110100000004138</ID center control No.>
        <title>EEFGG</title>
        <artist>□□XX</artist>
        <recording hours>2'39"</recording hours>
        <release date>1973/03/20</release date>
        <sold copies of record>360,000</sold copies of record>
        <abstract>First single of □□XX who made a great hit from start.
        At that time, □□XX acted as curtain raiser of O△X and △XOO
        played as back band. They were members of a very popular sound group.
        </abstract>
        <URL>rtsp://xxx.yyy.zzz/dirl/00004138.mp3</URL>
    </contents information>
</results of retrieval>
```

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FIG.20

```
<?xm1 version ="1.0" encoding = "Shift - JIS"?>
<narration request>
  <purpose>program prologue</purpose>
  <client information>
    <name>Hanazone</name>
    <sex>male</sex>
    <age>35</age>
    <address>Tokorozawa City, Saitama Prefecture</address>
    <date>2001/06/01</date>
    <time>20:30:00</time>
    <location type = "own home"> </location>
  <client information>
  <program information type = "music ranking">
    <ranking>sold copies of record</ranking>
    <country>Japan</country>
    <genre>new music</genre>
    <age>early 1970s</age>
    <No. of tunes>30</No. of tunes>
  </program information>
  <additional information>
    <society dete = "1970/03/14">Osaka Int'l Exhibition</society>
    <economy dete = "1971/08/16">dollar shock </economy>
    <society dete = "1972/02/03">Sapporo Olympic Games
    </society>
    <incident dete = "1972/02/19">Asama Mountain Resort
    Outrage</incident>
    <politics dete = "1972/05/15">Return of Okinawa</politics>
    <politics dete = "1972/09/29">Recovery of Diplomatic
    Relations of Japan and China</politics>
    <economy dete = "1973/10/06">first oil shock</economy>
  </additional information>
</narration request>
```

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FIG.21

```
<?xm1 version ="1.0" encoding = "Shift - JIS"?>
<narration request>
  <purpose> contents description </purpose>
  <contents information type = "music ranking">
    <ranking>sold copies of record</ranking>
    <country>Japan</country>
    <genre>new music</genre>
    <age>early 1970s</age>
    <rating>1</rating>
    <title>AAZZ</title>
    <artist>OOXX</artist>
    <release date>1973/04/20</release date>
    <sold copies of record>500,000</sold copies of record>
    <abstract>Third single of OOXX who made a great hit in
    1973. Vocal is △△□ having a sweet voice. Dramatic tune
    development. Arrangement is very impressive.
    </abstract>
  </contents information>
</narration request>
```

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FIG.22

```
<?xm1 version ="1.0" encoding = "Shift - JIS"?>
<narration reception>
  <reception No.>00031549</reception No.>
  <necessary time period>00:00:20</necessary time period>
  <duration>00:00:35</duration>
  <server>narration server</server>
  <URL>rtsp://aaa.bbb.ccc/temp/narration30.mp3</URL>
</narration reception>
```

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FIG. 23

```
<?xm1 version ="1.0" encoding = "Shift - JIS"?>
<narration template type = "music contents description">
    <sentence type = "prologue">
        <clause type = "prologue" permission = "phrase"> </clause>
    </sentence>
    <sentence type = "music introduction">
        <clause type = "country" permission = "word"> </clause>
        <clause type = "genre" permission = "word"> </clause>
        <clause type = "age" permission = "word"> </clause>
        <clause type = "ranking" permission = "word"> </clause>
        <clause type = "rating" permission = "word"> </clause>
        <clause type = "tune title"> </clause>
        <clause imm = "is">parts/is.wav</clause>
    </sentence>
    <sentence type = "music description">
        <clause type = "artist" permission = "word"> </clause>
        <clause imm = "this tune by">parts/this tune by.wav
        </clause>
        <clause type = "expression of age" permission = "word">
        </clause>
        <clause type = "expression of month" permission = "word">
        </clause>
        <clause type = "expression of day" permission = "word">
        </clause>
        <clause imm = "was released on">parts/was released on.wav
        </clause>
        <clause type = "expression of sales" permission = "word">
        </clause>
        <clause imm = "sold up to">parts/sold up to.wav</clause>
        <clause type = "tune description" permission = "phrase">
        </clause>
    </sentence>
    <sentence type = "epilogue">
        <clause type = "epilogue" permission = "phrase"> </clause>
    </sentence>
</narration template>
```

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FIG. 24

```
<?xm1 version ="1.0" encoding = "Shift - JIS"?>
<program>
    <title>new music in early 1970s record sales best 30</title>
    <production date>2001/06/01</production date>
    <production hours>20:30:10</production hours>
    <contents information>
        <title>BGM1</title>
        <artist/>
        <to be connected to>program server</to be connected to>
        <URL>rtsp://ppp.qqq.rrr/temp/content/bgm01.mp3</URL>
    </contents information>
    <contents information>
        <title>program prologue</title>
        <artist/>
        <to be connected to>narration server</to be connected to>
        <URL>rtsp://aaa.bbb.ccc/temp/prologue.mp3</URL>
    </contents information>
    <contents information>
        <title>narration 1</title>
        <artist/>
        <to be connected to>narration server</to be connected to>
        <URL>rtsp://aaa.bbb.ccc/temp/narration01.mp3</URL>
    </contents information>
    <contents information>
        <title>CCDDDD</title>
        <artist>△△××</artist>
        <to be connected to>contents server A</to be connected to>
        <URL>rtsp://xxx.yyy.zzz/dir1/title00013037.mp3</URL>
    </contents information>
    ...
    <contents information>
        <title>narration 30</title>
        <artist/>
        <to be connected to>narration server</to be connected to>
        <URL>rtsp://aaa.bbb.ccc/temp/narration30.mp3</URL>
    </contents information>
    <contents information>
        <title>AAZZ</title>
        <artist>○○××</artist>
        <to be connected to>contents server A</to be connected to>
        <URL>rtsp://xxx.yyy.zzz/dir1/title00000101.mp3</URL>
    </contents information>
    <contents information>
        <title>program epilogue</title>
        <artist/>
        <to be connected to>narration server</to be connected to>
        <URL>rtsp://aaa.bbb.ccc/temp/epilogue.mp3</URL>
    </contents information>
</program>
```

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FIG. 25

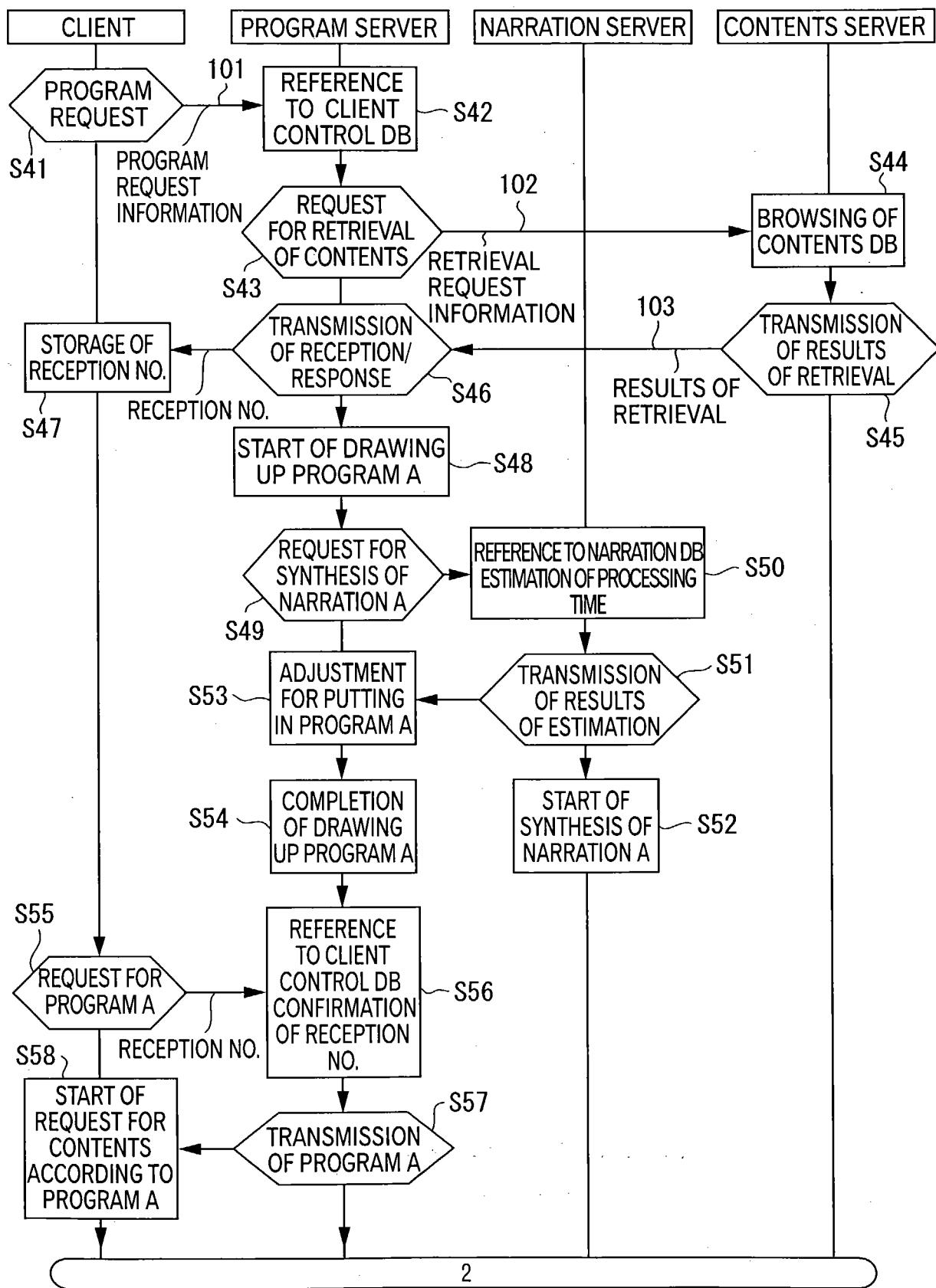


FIG. 26

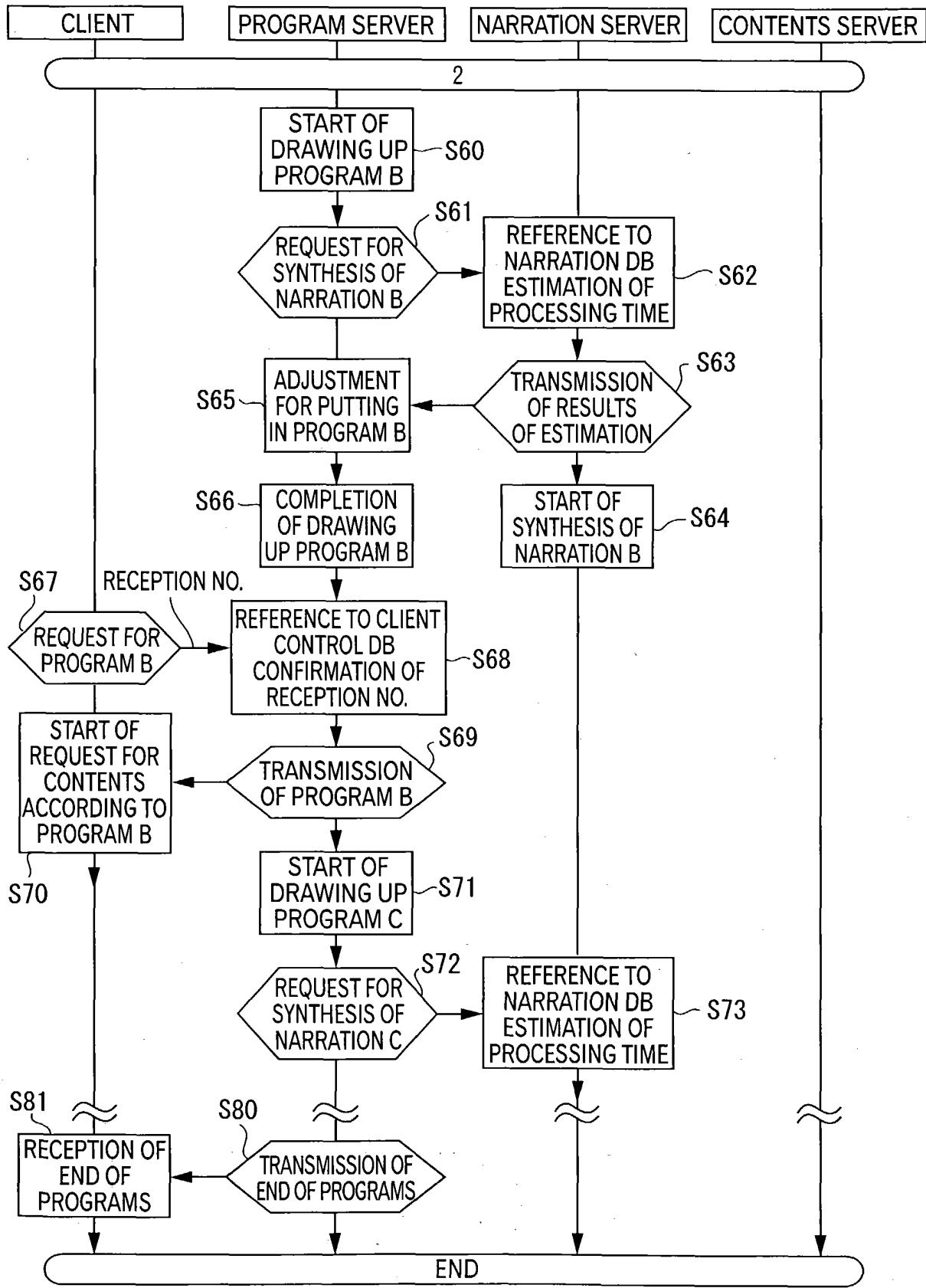


FIG. 27

